**FIG. 1**

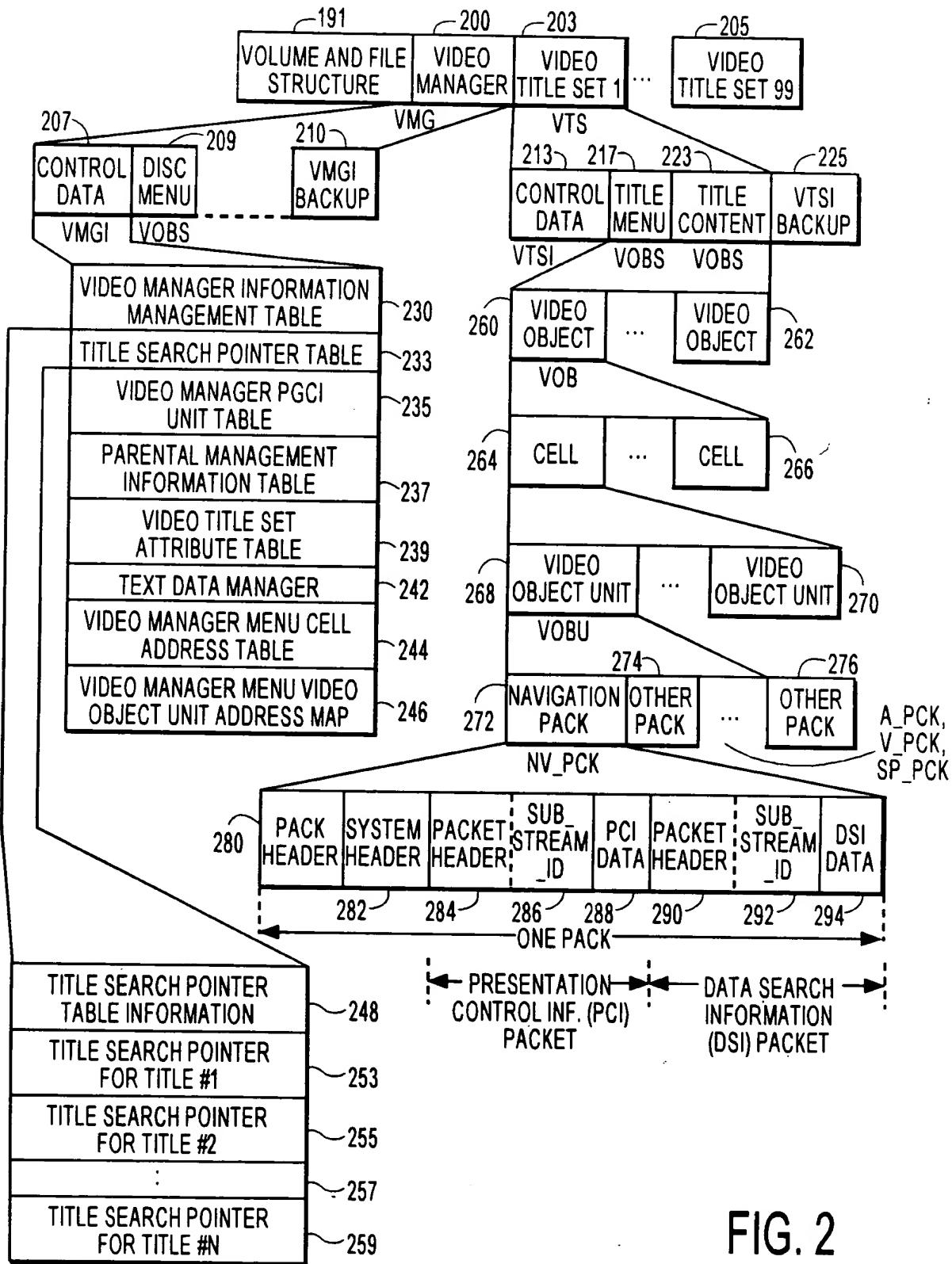


FIG. 2

**FIG. 3A**

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PARAMETERS/TABLES/MAPS	PRE-PROCESSING	DURING RECORDING	POST-PROCESSING	READ ONLY FORMAT DATA ITEM (FIGURE2)	GENERIC FORMAT DATA ITEM (FIGURE1)
633	Y	C	U	209, 217	409, 418
637	Y	C	MULTIPLE U	209, 217	409, 418
639	1	1	U	209, 217	409, 418
640	0	0	U	217	424
645	0	0	U	207	411-424
650 → MENU	Y	C	U	200	409
652 → LANGUAGES	Y	C	U	207	409, 418
655 → PROGRAM CHAIN INFORMATION IN MENU DOMAIN			ONE	207	409, 418
657 → NUMBER OF VIDEO OBJECTS IN VIDEO TITLE SET MENU		X	ONE	209, 217	409, 418
659 → CONTENT RATINGS		X	ONE	272	427
662 → NUMBER OF VIDEO TITLE SET		ZERO	ONE	272	427
665 → NUMBER OF TITLE SEARCH POINTER		R	ONE	272	427
667 → BIT 7 OF THE BYTE TITLE PLAY BACK		R	ONE	272	427
669 → NAVIGATION COMMANDS IN MENU			U	207	409, 418
672 → NAVIGATION INFORMATION IN VIDEO OBJECT UNIT			U	209, 217	409, 418
675 → FORWARD ADDRESSES IN VIDEO OBJECT UNIT			U	207, 213	409, 411
677 → FILES IN FILE STRUCTURE			U	191	403
679 → VIDEO MANAGER INFORMATION MANAGEMENT TABLE	0	0	U	207	409, 414, 418
682 → TITLE SEARCH POINTER TABLE	R	U	U	207	409, 414, 418
686 → VIDEO MANAGEMENT INFORMATION TABLE			U	207	409, 414, 418
689 → TEXT DATA MANAGER	0	0	U	207	409, 414, 418
691 → VIDEO MANAGER MENU CELL ADDRESS TABLE	R	U	U	207	409, 414, 418
693 → VIDEO TITLE SET ATTRIBUTE SEARCH POINTER	R	U	U	207	409, 414, 418
695 → VIDEO TITLE SET ATTRIBUTE	R	U	U	207	409, 414, 418
697 → VIDEO OBJECT UNIT ADDRESS TABLE	0	R	U	207, 213	409, 411

O: OPTIONAL, R: RECORD AND INSERT DUMMY DATA FOR UNKNOWN INFORMATION  
 X: INSERT THE CORRECT INFORMATION, THIS DATA IS TO BE CHECKED DURING UPDATING.  
 C: COPY EXISTING DATA ONTO DISC. MULTIPLE COULD BE MORE THAN 1.

U: UPDATE, AND REPLACE DUMMY DATA WITH RIGHT INFORMATION  
 Y: INFORMATION IS KNOWN BUT MAY ALSO BE UPDATED LATER

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PARAMETERS/TABLES/MAPS	PRE-PROCESSING	DURING RECORDING	POST-PROCESSING	READ ONLY FORMAT DATA ITEM (FIGURE2)	GENERIC FORMAT DATA ITEM (FIGURE1)	645	
						633	637
701 → VIDEO TITLE SET INFORMATION MANAGEMENT TABLE	R	R	R	U	213	411, 422, 424	
703 → PART OF TITLE IN VIDEO TITLE SET SEARCH POINTER TABLE	R	R	R	U	213	411, 422, 424	
705 → PROGRAM CHAIN INFORMATION TABLE IN VIDEO TITLE SET	R	R	R	U	213	411, 422, 424	
707 → VIDEO TITLE SET MENU PROGRAM CHAIN INFORMATION UNIT TABLE	R	R	R	O	213	411, 422, 424	
709 → VIDEO TITLE SET TIME MAP TABLE	O	O	O	O	213	411, 422, 424	
711 → VIDEO TITLE SET MENU CELL ADDRESS TABLE	C	C	C	Y	213	411, 422, 424	
713 → VIDEO TITLE SET MENU VIDEO OBJECT UNIT ADDRESS MAP	C	C	C	Y	213	411, 422, 424	
716 → VIDEO TITLE SET CELL ADDRESS TABLE	R	R	R	U	213	411, 422, 424	

- O: OPTIONAL, R: RECORD AND INSERT DUMMY DATA FOR UNKNOWN INFORMATION  
 X: INSERT THE CORRECT INFORMATION, THIS DATA IS TO BE CHECKED DURING UPDATING.  
 C: COPY EXISTING DATA ONTO DISC. MULTIPLE: COULD BE MORE THAN 1.
- U: UPDATE, AND REPLACE DUMMY DATA WITH RIGHT INFORMATION  
 Y: INFORMATION IS KNOWN BUT MAY ALSO BE UPDATED LATER

FIG. 3B

TITLE SEARCH POINTER DATA	
	CONTENTS
440	TITLE PLAYBACK TYPE
442	NUMBER OF ANGLES
444	NUMBER OF PART_OF_TITLES
446	PARENTAL_ID_FIELD FOR TITLE
448	VIDEO TITLE SET NUMBER
450	VIDEO TITLE SET TITLE NUMBER
452	START ADDRESS OF THE VIDEO TITLE SET

FIG. 4

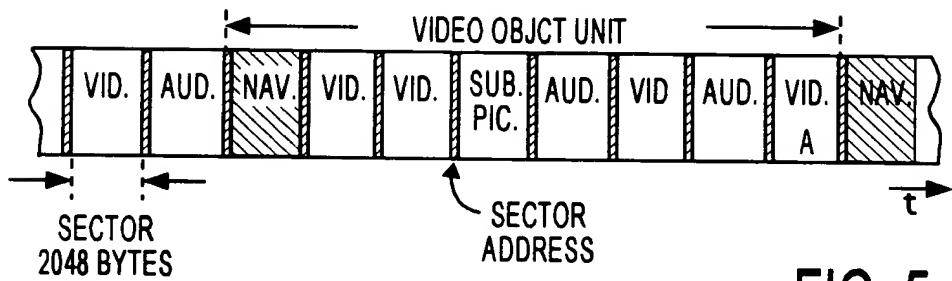


FIG. 5

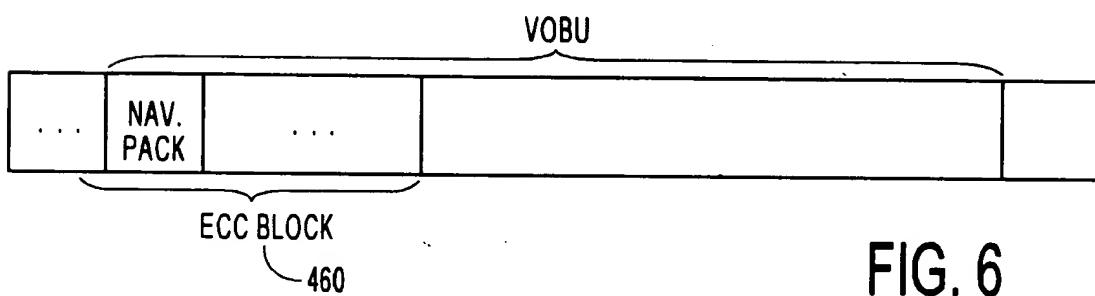


FIG. 6

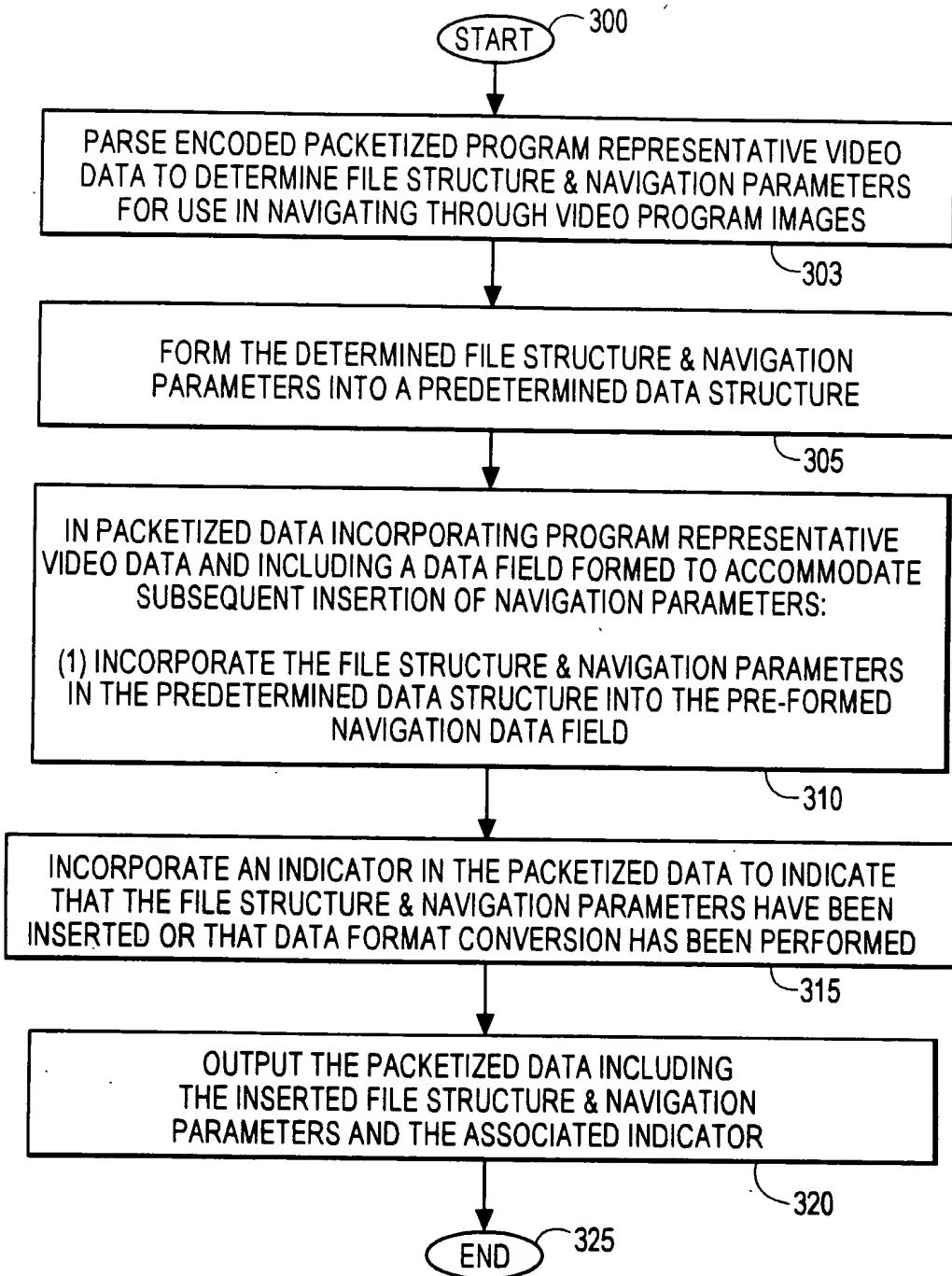
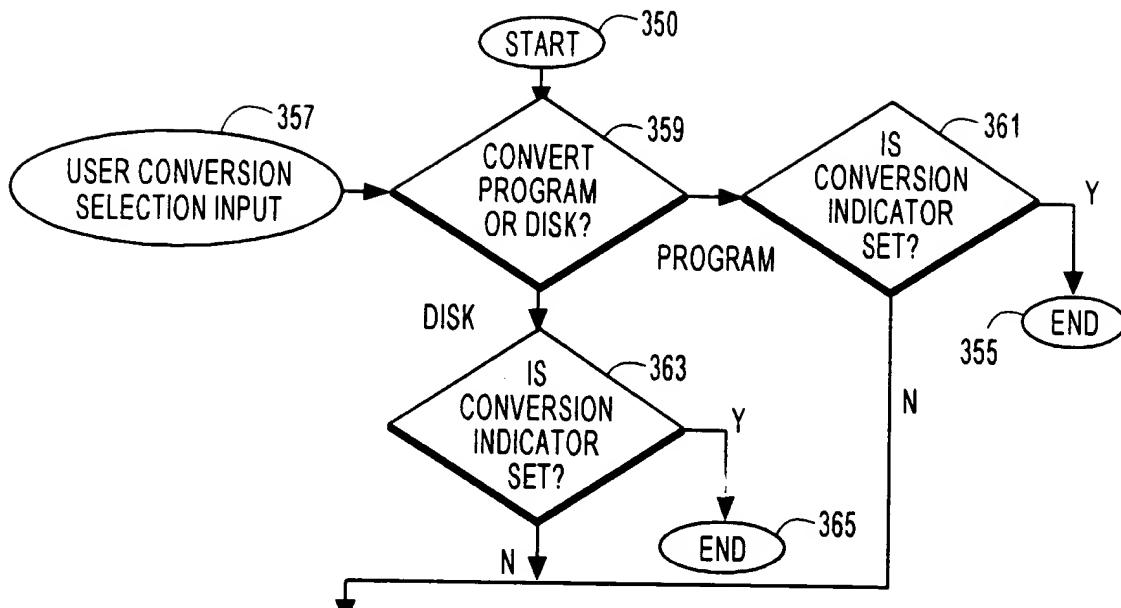


FIG. 7



FOR DATA ELEMENT TO BE CONVERTED  
 FOR EACH ERROR CORRECTION CODED (ECC) BLOCK IN A VOBU,  
 FOR EACH VOBU IN A PROGRAM AND  
 FOR EACH PROGRAM ON A DISK:

PRE-PROCESS:

READ & PARSE AN ECC BLOCK AND GENERATE GENERIC DATA

FORMAT FILE STRUCTURE & NAVIGATION PARAMETERS AND INCORPORATE THESE PARAMETERS IN GENERIC FORMAT DATA FIELDS

CONTEMPORANEOUS PROCESS:

UPDATE & GENERATE SELECTED FILE STRUCTURE & NAVIGATION PARAMETERS

WRITE TO DISK PRE-PROCESSED ECC BLOCK IN GENERIC FORMAT INCLUDING PRE-PROCESSED & CONTEMPORANEOUSLY PROCESSED FILE STRUCTURE & NAVIGATION DATA PARAMETERS.

POST-PROCESS:

UPDATE FILE STRUCTURE & NAVIGATION PARAMETERS IN GENERIC FORMAT ON DISK TO REFLECT KNOWN LINK/END ADDRESSES, DATA ELEMENT SIZES ETC.

SET INDICATOR PER PROGRAM TO INDICATE FORMAT CONVERSION COMPLETE

367

373

FIG. 8

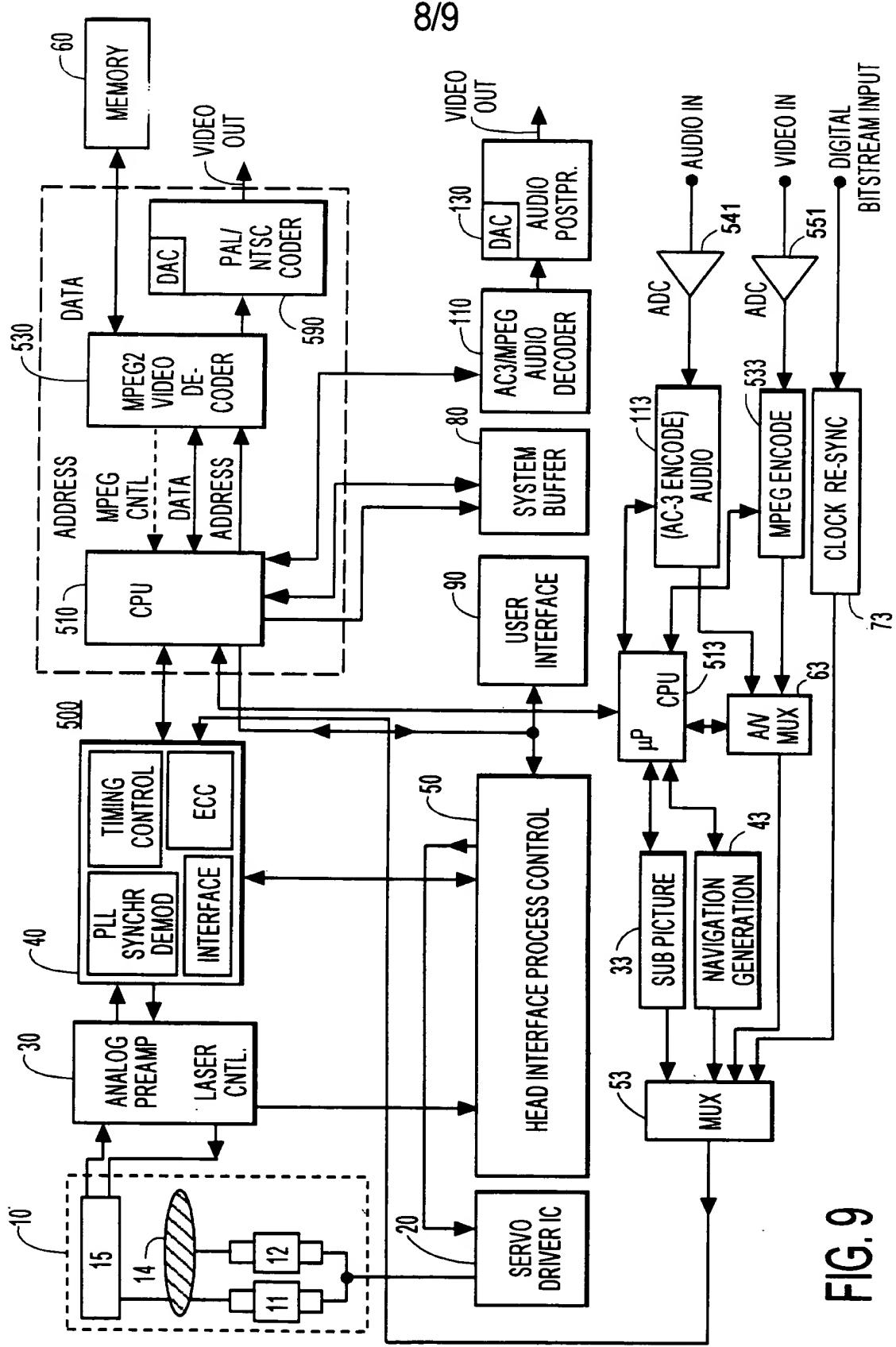
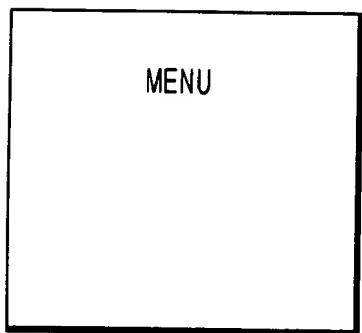
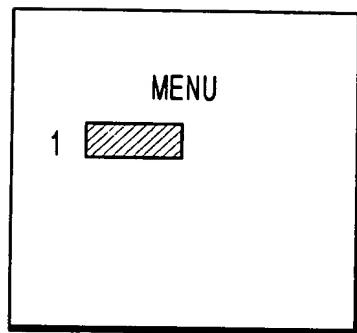


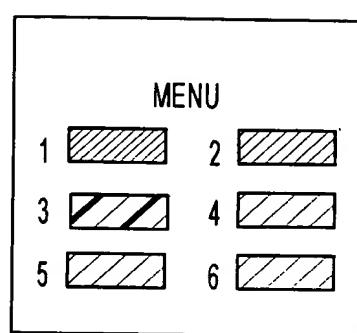
FIG. 9



(A) NO VISIBLE BUTTON



(B) BUTTON 1 IS ADDED



(C) SIX BUTTONS ARE ADDED

FIG.10